

# NORTH CAROLINA CAREER AND TECHNICAL EDUCATION STANDARDS

## Agricultural Education

**Grade:** Grade 9 - 12

**Course:** Horticulture II - Landscaping

**NCCTE.AP44** - Horticulture II - Landscaping

**NCCTE.AP44.01.00** - Understand leadership and employability skills in the landscape industry.

**NCCTE.AP44.01.01** - Understand leadership and worked-based learning skills used in the landscape industry.

**NCCTE.AP44.01.02** - Recognize professional organizations and certifications available to those employed in the landscape industry.

**NCCTE.AP44.02.00** - Apply procedures to perform calculations and to market landscape enterprises.

**NCCTE.AP44.02.01** - Apply procedures to perform calculations used in estimates and quotes.

**NCCTE.AP44.02.02** - Understand characteristics of effective marketing.

**NCCTE.AP44.03.00** - Understand the processes used to select plants in the landscape industry.

**NCCTE.AP44.03.01** - Recognize plants based on use.

**NCCTE.AP44.03.02** - Understand factors used to select plants.

**NCCTE.AP44.04.00** - Apply procedures to develop plans, estimates, and quotes.

**NCCTE.AP44.04.01** - Remember elements and principles of design, irrigation system components and measurements, and symbols used to develop landscape and irrigation plans.

**NCCTE.AP44.04.02** - Apply procedures to develop landscape and irrigation plans.

**NCCTE.AP44.04.03** - Remember key terms, abilities needed, and items included in estimates and quotes for landscape and/or irrigation plans.

**NCCTE.AP44.05.00** - Apply procedures to install landscapes.

**NCCTE.AP44.05.01** - Remember the uses for materials and hand tools used to install landscapes.

**NCCTE.AP44.05.02** - Apply procedures to use equipment to install landscapes.

**NCCTE.AP44.05.03** - Apply procedures to install turfgrass.

**NCCTE.AP44.05.04** - Understand procedures used to plant, stake/guy, and mulch landscape plants.

**NCCTE.AP44.05.05** - Apply procedures to incorporate hardscapes into landscapes.

**NCCTE.AP44.06.00** - Apply procedures to maintain landscapes and landscape equipment.

**NCCTE.AP44.06.01** - Apply procedures to prune, fertilize, and mulch landscape plants.

**NCCTE.AP44.06.02** - Understand pests and their control in landscapes.

**NCCTE.AP44.06.03** - Apply procedures to maintain turfgrass.

**NCCTE.AP44.06.04** - Apply procedures to maintain landscape equipment and tools.

